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PCT/GB2004/003531



INVESTOR IN PEOPLE

The Patent Office  
Concept House  
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Newport  
South Wales  
NP10 8QQ

I, the undersigned, being an officer duly authorised in accordance with Section 74(1) and (4) of the Deregulation & Contracting Out Act 1994, to sign and issue certificates on behalf of the Comptroller-General, hereby certify that annexed hereto is a true copy of the documents as originally filed in connection with the patent application identified therein.

In accordance with the Patents (Companies Re-registration) Rules 1982, if a company named in this certificate and any accompanying documents has re-registered under the Companies Act 1980 with the same name as that with which it was registered immediately before re-registration save for the substitution as, or inclusion as, the last part of the name of the words "public limited company" or their equivalents in Welsh, references to the name of the company in this certificate and any accompanying documents shall be treated as references to the name with which it is so re-registered.

In accordance with the rules, the words "public limited company" may be replaced by p.l.c., plc, P.L.C. or PLC.

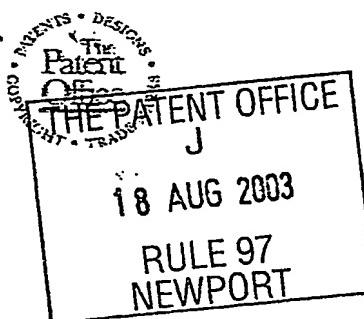
Re-registration under the Companies Act does not constitute a new legal entity but merely subjects the company to certain additional company law rules.

Signed

Dated 18 February 2005

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Patents Form 1/77

Patents Act 1977  
(Rule 16)**Request for grant of a patent**

(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form.)

The Patent Office

Cardiff Road  
Newport  
South Wales  
NP10 8QQ

1. Your reference      Medical Cartridge Transfer Chair

18 AUG 2003

2. Patent application number  
*(The Patent Office will fill this part in)*      **0319538.5**

2961023 EP31427-10 084568  
P01/7700 0.00-0319538.5

3. Full name, address and postcode of the or of each applicant (*underline all surnames*)      Steven Phillip Corcoran, 22 Great Close, Cawood, Nr Selby, North Yorkshire, YO8 3UG

08695017001Patents ADP number (*If you know it*)

If the applicant is a corporate body, give the country/state of its incorporation

4. Title of the invention

Medical Cartridge Transfer Chair

5. Name of your agent (*If you have one*)

"Address for service" in the United Kingdom to which all correspondence should be sent  
(*Including the postcode*)

Steven Phillip Corcoran, 22 Great Close, Cawood, Nr Selby, North Yorkshire, YO8 3UG

Patents ADP number (*If you know it*)

6. Priority: Complete this section if you are declaring priority from one or more earlier patent applications, filed in the last 12 months.
- |         |  |   |
|---------|--|---|
| Country | Priority application number<br>( <i>If you know it</i> ) | Date of filing<br>( <i>day / month / year</i> ) |
|---------|--|---|

7. Divisionals, etc: Complete this section only if this application is a divisional application or resulted from an entitlement dispute (see note f)
- |                                  |   |
|----------------------------------|---|
| Number of earlier UK application | Date of filing<br>( <i>day / month / year</i> ) |
|----------------------------------|---|

8. Is a Patents Form 7/77 (Statement of inventorship and of right to grant of a patent) required in support of this request?

Answer YES if:

- a) any applicant named in part 3 is not an inventor, or
- b) there is an inventor who is not named as an applicant, or
- c) any named applicant is a corporate body.

Otherwise answer NO (See note d)

No

Patents Form 1/77

9. Accompanying documents: A parent application must include a description of the invention. Not counting duplicates, please enter the number of pages of each item accompanying this form:

Continuation sheets of this form

1

Description

Claim(s)

Abstract

Drawing(s) 1

10. If you are also filing any of the following, state how many against each item.

Priority documents

Translations of priority documents

Statement of inventorship and right to grant of a patent (Patents Form 7/77)

Request for a preliminary examination and search (Patents Form 9/77)

Request for a substantive examination (Patents Form 10/77)

Any other documents (please specify)

11. I/We request the grant of a patent on the basis of this application.

Signature(s)

Date

12. Name, daytime telephone number and e-mail address, if any, of person to contact in the United Kingdom 01757 268 257

## Warning

After an application for a patent has been filed, the Comptroller of the Patent Office will consider whether publication or communication of the invention should be prohibited or restricted under Section 22 of the Patents Act 1977. You will be informed if it is necessary to prohibit or restrict your invention in this way. Furthermore, if you live in the United Kingdom, Section 23 of the Patents Act 1977 stops you from applying for a patent abroad without first getting written permission from the Patent Office unless an application has been filed at least 6 weeks beforehand in the United Kingdom for a patent for the same invention and either no direction prohibiting publication or communication has been given, or any such direction has been revoked.

## Notes

- If you need help to fill in this form or you have any questions, please contact the Patent Office on 08459 500505.
- Write your answers in capital letters using black ink or you may type them.
- If there is not enough space for all the relevant details on any part of this form, please continue on a separate sheet of paper and write "see continuation sheet" in the relevant part(s). Any continuation sheet should be attached to this form.
- If you have answered YES in part 8, a Patents Form 7/77 will need to be filed.
- Once you have filled in the form you must remember to sign and date it.
- Part 7 should only be completed when a divisional application is being made under section 15(4), or when an application is being made under section 8(3), 12(6) or 37(4) following an entitlement dispute. By completing part 7 you are requesting that this application takes the same filing date as an earlier UK application. If you want the new application to have the same priority date(s) as the earlier UK application, you should also complete part 6 with the priority details.

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**1. Title Of Invention**

Medical Cartridge Transfer Chair

**2. Description of the Invention**

The special medical device is for use in any domestic or public owned facility or home. The device is similar to a conventional transfer chairs however employs the inventive step of including a cross functional mechanical cartridge that is either, gear, sprocket, tooth belt, belt, chain driven via a rotating or reciprocating electrical or hydraulic power source.

The device is for use by the elderly and or low mobility persons. The device will enable them to be safely lifted, transported and allow safe transfer to a bed or other such secondary station i.e. a chair.

The device accepts its mechanical power from a cartridge, the cartridge containing various mechanic power generations and transmitting components.

The device transmits rotational or reciprocal motion to the receiving motion transmission components located with the transfer device.

The components located, transfer motion to lifting arms that are capable of lift the seat with the user located on it. The device also incorporates cam tilters that tilt the seat upward and forwards to give assistance to the use to stand or be transferred, either by the same mechanism or as shown via a separate motion creating source.

The device also comes with the ability to carry and non-dynamic board for safe transfers and special guide fans operated on the basis of a cam mechanism,

If hydraulic is used to cause motion of the systems then the fluid can be either compressible and or non-compressible.

The drawing shows:

F1 = Main Drawing

F2 = Cartridge Drawing

F3 = Seat Assembly

F4 = Fan Assembly

SP1 = Seat Pivot Point

SF1 = Seat Frame

C1 = Tilt Cam

CM1 = Cam Motion Exciter

CH = Cartridge Handle

C2 = High Access Cover

C1 = Lower Access Cover

S1 = Seat

S2 = Cartridge Space

F1a = Fan Guides

P1 = Lift Source

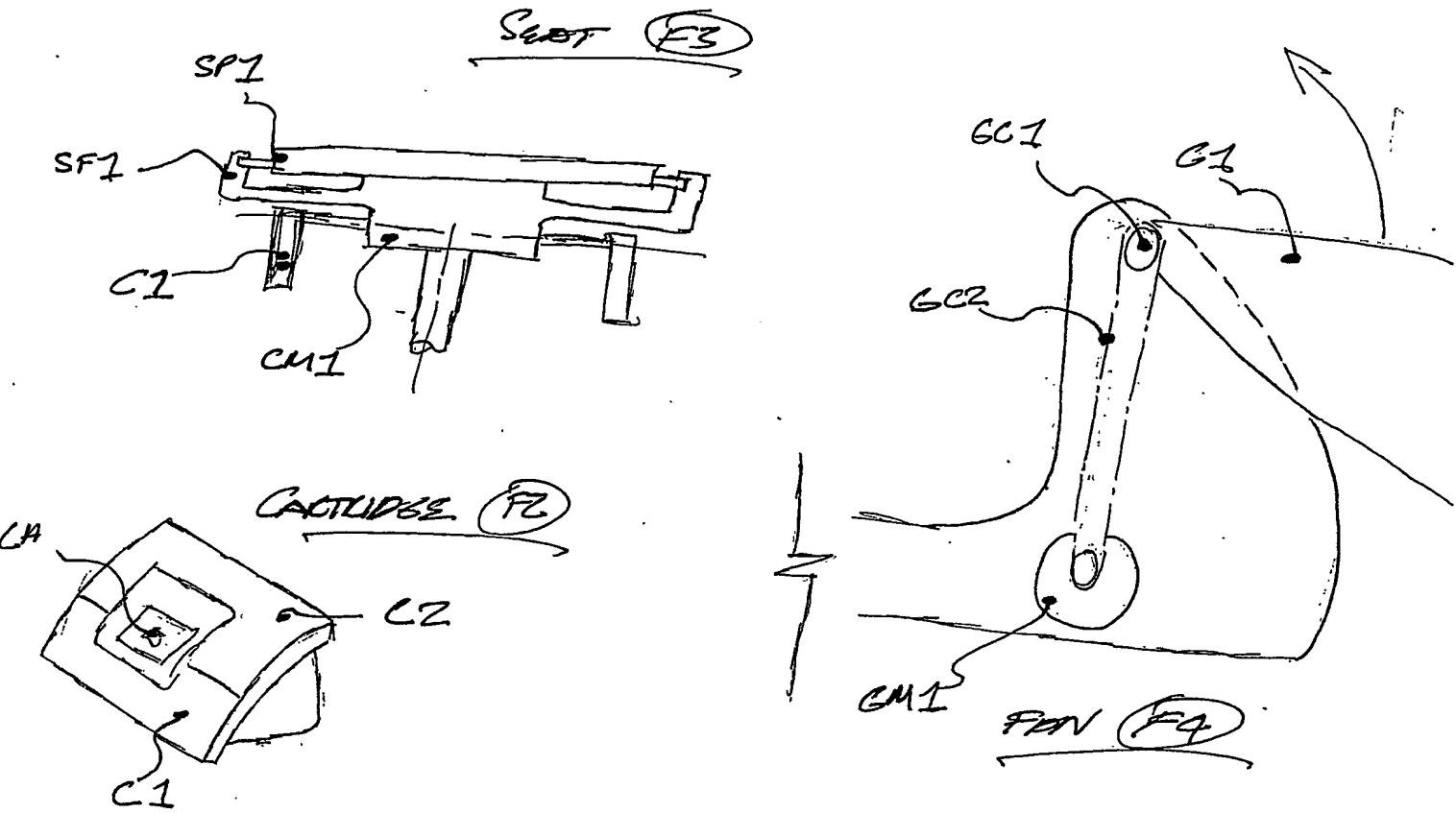
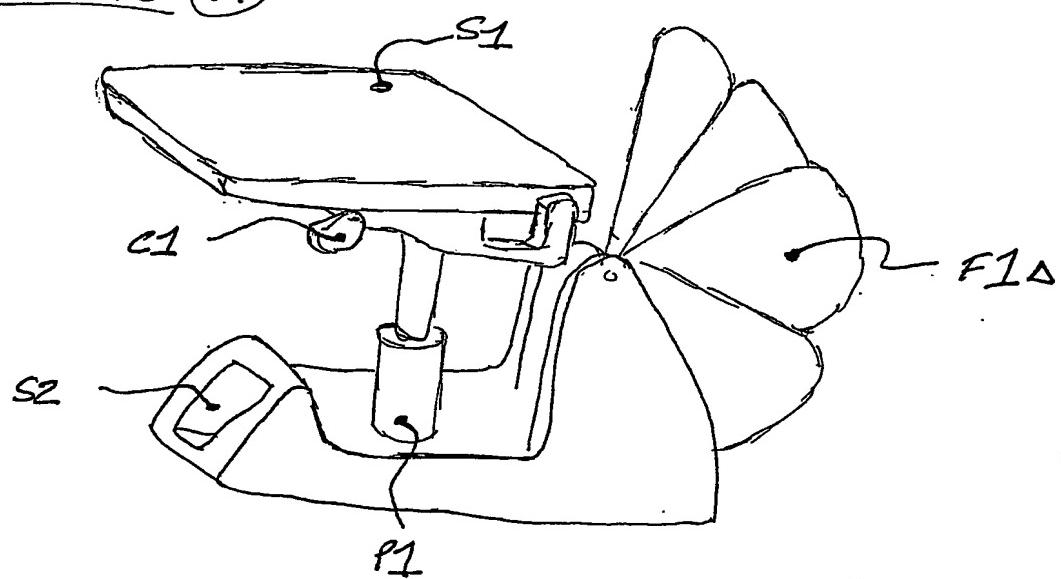
GM1 = Guide Motor

GC2 = Guide Chain

GC1 = Guide Top cog

G1 = Guide

## 3. Drawing of the Invention

MAIN DRAWING F1

# Document made available under the Patent Cooperation Treaty (PCT)

International application number: PCT/GB2004/003531

International filing date: 17 August 2004 (17.08.2004)

Document type: Certified copy of priority document

Document details: Country/Office: GB  
Number: 0319538.5  
Filing date: 18 August 2003 (18.08.2003)

Date of receipt at the International Bureau: 28 February 2005 (28.02.2005)

Remark: Priority document submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b)



World Intellectual Property Organization (WIPO) - Geneva, Switzerland  
Organisation Mondiale de la Propriété Intellectuelle (OMPI) - Genève, Suisse